

WPANT10040

420 MHz Embedded Antenna



Application

This antenna will stand parallel to the device's main circuit board and it connects to the circuit board with a metal standoff. Hence, it occupies very minimal real estate on the main circuit board.

We can assist your engineers to optimize mounting positions for these antennas in your specific application and can further assist to trouble shoot system integration issues such as TRP/TIS and FCC requirements. We specialize in developing customized Antenna solutions. Please contact sales@worldproducts.com with your specific application requirements.

Electrical Properties

Operating Frequency	410 – 430 MHz
Approximate Antenna Impedance [Ω]	50 Ω
VSWR (Typical)	< 2:1
Peak Gain [dBi] (Typical)	0.5 dBi
Efficiency [%] (Typical)	40%
Polarization	Linear
Pattern	Near Omni Directional

Mechanical / Environmental Properties

Antenna Dimensions (Flattened)	1.35" x 1.2" x 0.062" (34.25mm x 30mm x 1.6mm)
Antenna Color	Black
Metallic Standoff Height	0.6" (15mm)
Operating / Storage Temperature	-40°C to +125°C
Environmental	Meets standards for UL 94V-0
Hazardous Materials	RoHS Compliant

Pictures

